

CLAIMS

What is claimed is:

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1. A wireless provisioning device, comprising:
a chassis;
at least one network card;
at least one wireless card;
at least one processor;
an operating system, the operating system operably configured in the
chassis to control the at least one network card, the at least one wireless card and
the at least one processor;
a packet-switched interface capable of receiving a multiplicity of
inbound framed packet-data to provide inbound packets and transmitting a
multiplicity of outbound framed packet-data comprising outbound packets;
a channeling controller, coupled to the packet-switched interface that
channels the inbound packets based on the inbound address information and that
constructs the outbound packets and channels the outbound packets with the
outbound address information, the channeling controller capable of being effectively
~~connected to at least one network via the operating system.~~
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2. The wireless provisioning device of claim 1, wherein the
channeling controller routes the inbound packets.
- 1
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3. The wireless provisioning device of claim 2, wherein the
channeling controller routes the outbound packets.
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4. The wireless provisioning device of claim 1, wherein the
channeling controller bridges the inbound packets.
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5. The wireless provisioning device of claim 4, wherein the
channeling controller bridges the outbound packets.
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6. The wireless provisioning device of claim 1, wherein the
operating system of the wireless provisioning device is an open source UNIX based
system.

1 8. The wireless provisioning device of claim 1, the wireless
2 ~~provisioning device further comprises a second processor.~~

10. A system, comprising:
a plurality of wireless access points;
at least one wireless provisioning device for receiving, transmitting, and directing data over a plurality of networks and capable of sustaining connectivity between the wireless access points and the wireless provisioning device, the wireless provisioning device comprising a chassis, at least one network card, at least one wireless card, at least one processor, and at least one operating system operably configured in the chassis and associated with at least one of the plurality of wireless access points for transmitting and receiving data between the wireless access point and a carrier structure and where the wireless provisioning device is capable of accommodating multiple connections back to the wireless access point without requiring rebooting before a new roaming member can be added to the system;

18 a security authentication protocol capable of authenticating traffic as
19 it passes through the carrier structure.

1 11. The system of claim 10 wherein the wireless provisioning
2 device further comprises a directory services member operatively connected to the
3 operating system thereof, which is suitable for maintaining a database directory that
4 ~~stores MAC addresses and billing profiles for those in the system.~~

1 ~~Sub 1~~ 23. The system of claim 10, wherein the open source UNIX based
2 system is LINUX.

Add 8

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